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# AUA VIRTUAL EXPERIENCE

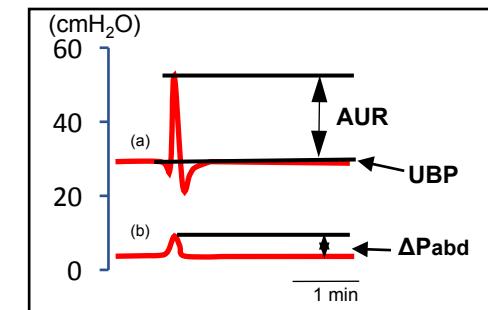
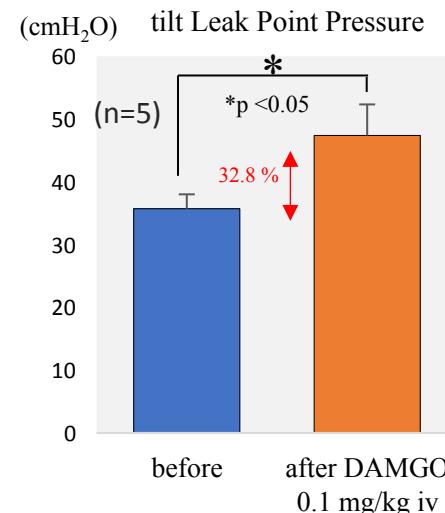
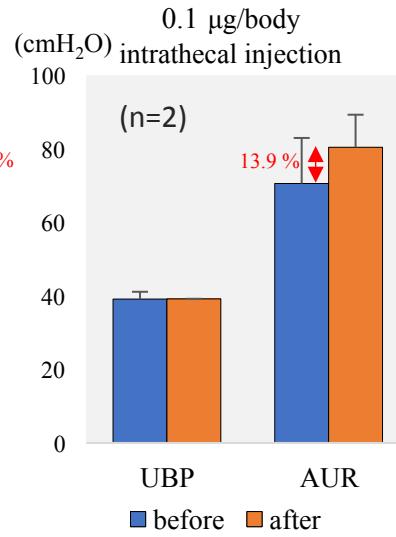
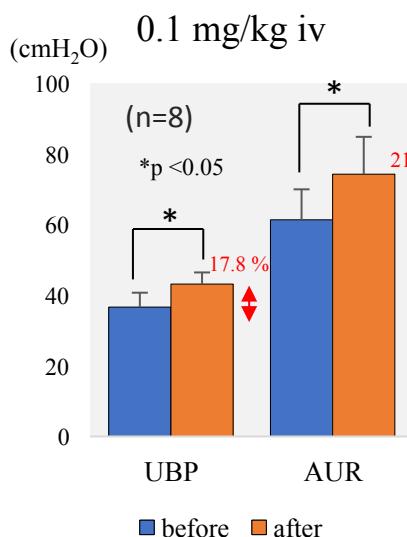


## MP54-13 A POTENTIAL NEW TARGET FOR STRESS URINARY INCONTINENCE: A $\mu$ -OPIOID RECEPTOR IN THE SPINAL CORD ACTIVATED BY A SELECTIVE AGONIST [D-Ala<sup>2</sup>, NMe-Phe<sup>4</sup>, Gly-ol<sup>5</sup>]-enkephalin IN RATS

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We investigated the intravenous or intrathecal effect of a selective  $\mu$ -opioid receptor agonist, [D-Ala<sup>2</sup>, NMe-Phe<sup>4</sup>, Gly-ol<sup>5</sup>]-enkephalin (DAMGO) on the urethral continence reflex in rats.



Kaiho et al. *AJP-Renal Physiol.* 2007

(a) Urethral pressure  
(b) Abdominal pressure  
**AUR:** amplitude of urethral response during sneezing  
**UBP:** urethral baseline pressure  
 **$\Delta P_{abd}$ :** amplitude of abdominal pressure

# Conclusion

DAMGO, a selective  $\mu$ -opioid agonist, can effectively enhance the active urethral continence reflex during sneezing at the spinal level (a microtip transducer catheter measurement).

